BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Improvements to drains cross roads of B Krishnappa layout in amruthahalli in ward no.07 Byataranapura.

[Pick the date]

Estimate cost: 25.00 lakhs

Ward 7 byatarayanapura

Name of Work:- Improvements to drains cross roads of B Krishnappa layout in amruthahalli in 4th rd no.07 Byataranapura.

Estimated Cost:- 25.00 Lakhs

S.N	DESCRIPTION OF WORK	Unit	N	L	B	D	QTY	RATE	AMOUNT
1	2	3	4.00	5	6	7	8	9	10
1	Removing and refixing stone slabs of drains and pointing in CM(1:3), Pg No.27,								
	Covering slab								
	Main Road		1	130.00	0.75		97.50		
					TOTAL		97.50		
	Deduct 30% damage slab						29.25		
					TOTAL		68.25	111.30	7597.00
	Basic Rate:	sqm	105.00						
	Area Weightage @ 6%		6.30						
	Total		111.30						
2	KSRRB 300-1. Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. Pg No.143 Item No.19.1)								
	Basic Rate:	cum	130.00						
	Area Weightage @ 6%		7.80						
	Total		137.80						
	New Drain								
	2nd Cross		2.00	110.00	0.95	0.90	188.10		
	Placing of kerb								
	Main Road		1.00	130.00	0.45	0.10	5.85		
	Desilting of								
	Main Road		1.00	130.00	0.60	0.60	46.80		
	Gap filling b/w drain & asphalt edge								
	2nd Cross		1.00	105.00	0.45	0.30	14.18		
	3rd Cross		1.00	90.00	0.45	0.30	12.15		
	4th Cross		1.00	90.00	0.45	0.30	12.15		
	5th Cross		1.00	85.00	0.45	0.30	11.48		
					TOTAL		290.70	137.80	40059.00

3	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 **(Pg.No.13, It.4.2)**								
	Basic Rate:	cum	5194.00						
	Area Weightage @ 6%		311.64						
	Total		5505.64						
	RCC DRAIN-BOTTOM								
	2nd Cross		2.00	110.00	0.95	0.15	31.35		
	Below Kerb								
	2nd Cross		2.00	105.00	0.45	0.10	9.45		
	Main Road		1.00	130.00	0.45	0.10	5.85		
	Gap filling b/w drain & asphalt edge								
	2nd Cross		1.00	105.00	0.45	0.15	7.09		
	3rd Cross		1.00	90.00	0.45	0.15	6.08		
	4th Cross		1.00	90.00	0.45	0.15	6.08		
	5th Cross		1.00	85.00	0.45	0.15	5.74		
					TOTAL		**71.63**	5505.64	**394342.00**
4	KSRB4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite matel coarse aggregates @ 0.878 cum and fine aggragtes @ 0.53cum, machine mixed concrete laid in layers not eceeding 15 cms, thick well compacted, in foundation, plinth and cills including cost of all materials, labour HOM machinery curing complate as per specifications. (Page No. 12. Item No. 4.6)								
	Gap filling b/w drain & asphalt edge								
	2nd Cross		1.00	105.00	0.45	0.15	7.09		
	3rd Cross		1.00	90.00	0.45	0.15	6.08		
	4th Cross		1.00	90.00	0.45	0.15	6.08		
	5th Cross		1.00	85.00	0.45	0.15	5.74		
	Coping for drains								
	Main Road		1.00	130.00	0.15	0.10	1.95		
	Bottom								
	2nd Cross		2.00	110.00	0.75	0.15	24.75		
	Side Wall								
	2nd Cross	**2x2**	4.00	110.00	0.15	0.60	39.60		
					TOTAL		**91.28**	5747.32	**524586.63**
	Basic Rate:	cum	5422.00						
	Area Weightage @ 6%		325.32						
	Total		**5747.32**						

5	Providing **TMT Steel Reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.(Page No.18, Item No.4.46.2)								
	Basic Rate:	Tonn	68233.00						
	Area Weightage @ 6%		4093.98						
	Total		72326.98						
	Reinforcement for side wall						64.35		
			At 55 Kg % per cum				**3.54**	72326.98	**255984.00**
6	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / **rectangular slabs /side walls** polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.(Page No.16, Item NO.4.32)								
	Basic Rate:	Sqm	456.00						
	Area Weightage @ 6%		27.36						
	Total		483.36						
	SIDE WALL								
	2nd Cross	2x4	8.00	110.00		0.60	528.00		
							528.00	483.36	**255215.00**
7	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete10cms thick.(Pg No.27, Item								
	Basic Rate:	**sqm**	**912.00**						
	Area Weightage @ 6%		**54.72**						
	Total		**966.72**						
	Damage covering						29.25		
	For new drains								
	2nd Cross		2.00	110.00	0.75		165.00		
					TOTAL		**194.25**	966.72	**187786.00**
8	KSRB 5-8.1: Providing one line dressing to granite stone slabs/granite stone masonry as per specifications.KBS 5.1.13								
	Basic Rate:	**sqm**	**897.00**						
	Area Weightage		**53.82**						
	Total		**950.82**						
	2nd Cross		2.00	110.00	0.75		165.00		
					TOTAL		**165.00**	950.82	**156886.00**

9	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x150x500 mm and finished with CM 1:3 plastering and finishing cutting etc., complete.Pg No. 27, Item No.5.29.1								
	2nd Cross		2	110.00			220.00		
	Main Road		1	130.00			130.00		
							350.00		
			TOTAL(total length/0.45)				**785.00**	467.46	**366957.00**
	Basic Rate:	Nos	441.00						
	Area Weightage @ 6%		26.46						
	Total		**467.46**						
10	KSRB 5-9.1:Providing and applying ready mix priming coat over oncrete / masonry, / asbestos cement sheet / plastered surfaces includding preparing the surface after thorougly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials, labour compelte as per specifications. Page No. 124 / Item No. 15.80								
			785.00		0.45		353.25		
					TOTAL		**353.25**	39.22	**13855.00**
	Basic Rate:	sqm	37.00						
	Area Weightage @ 6%		2.22						
	Total		**39.22**						
11	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 136, item No. 17.1)								
	Basic Rate	cum	**57.00**				290.70	94.34	**27425.00**
	Rs. 2.50 Tonne								
	Average Weight of earth 1.28 Tonne/Km.								
	For 10 Km								
	Rs.2.50X1.28Ton		**32.00**						
	Total		**89.00**						
	Add Area Weightage6%		**5.34**						
			94.34						
12							**Sub Total**		**2230692.63**
13							**Add 12% GST charges**		**267683.12**
14							**Miscelleneous charges**		**1624.25**
15							**Total**		**2500000.00**

Administrative Approval
Accorded For Rs 25 Lakhs only
Head of A/C P 3726
CER NO : 111 Dt: 20.03.2020
TA
CE (WNK)

; **1)This is certified that the work spot comes under BBMP limits only.**
2) The work spot is inspected by me
3) The items Provided in the Estimate are quite Essential
4)The rates are as per CSR of 2018-19 year of PWD Bangalore Circle.

Asst.Engineer
Ward no.7

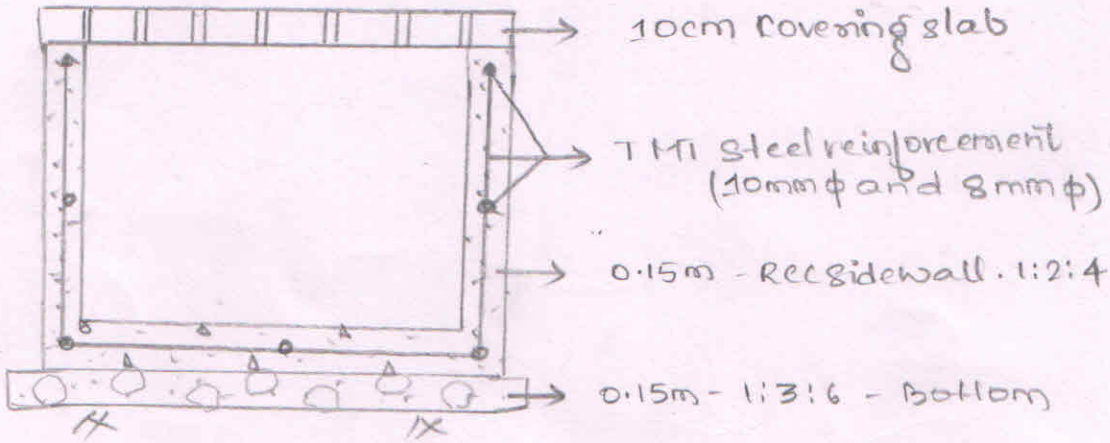
Asst.Exe.Engineer
Kodigehalli Sub-division
B.B.M.P.

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092
18/03

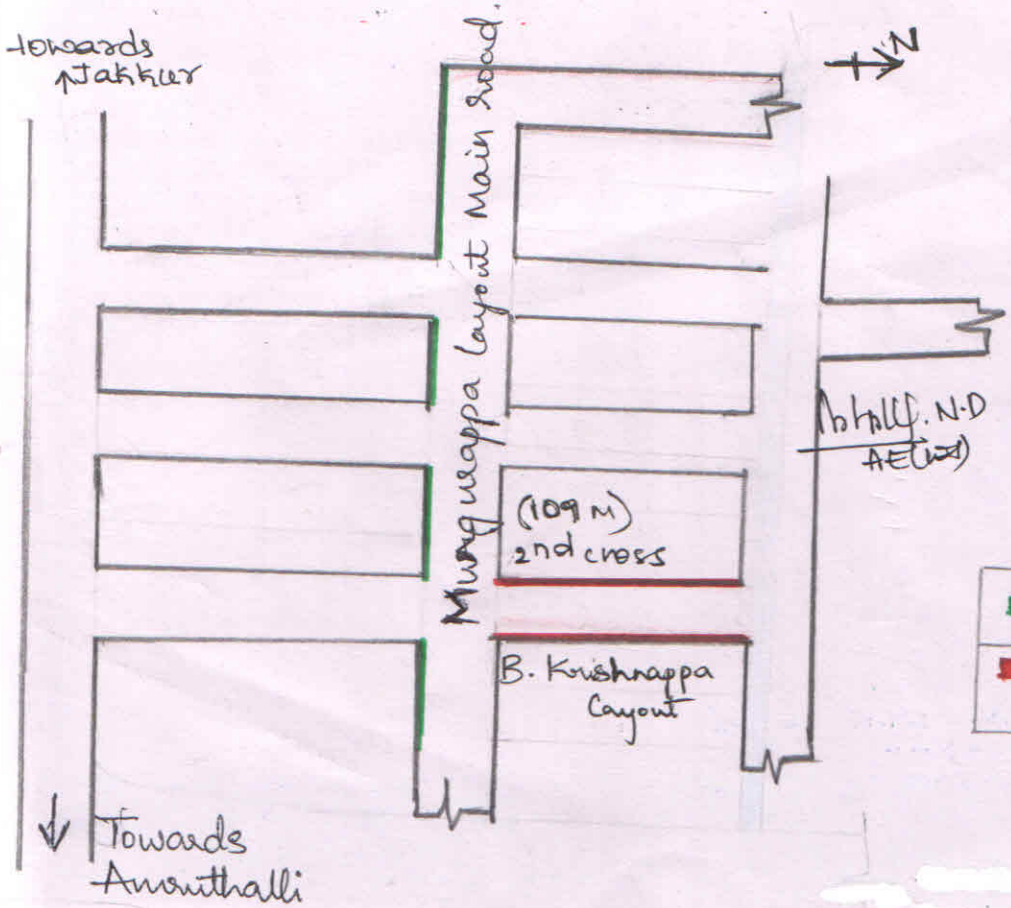
Executive Engineer
Byatrayanapura Division
B.B.M.P.
18/03

Technical Sanction
Accorded For Rs 25 Lakhs
Head of A/C P 3726
CER NO : 309 Dt: 20.03
TA
CE (WNK)

Name of Work:- Improvements to drains of cross roads of B. krishnappa layout Amruthalli in Ward no. 07.



CROSS SECTION OF RCC DRAIN



Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

	EXISTING DRAIN
	NEW RCC DRAIN